

CLAIM

Claim 1. (Currently Amended) A method comprising:

[processing] providing a solvent and a polymer, mixing said polymer and said solvent to form a solution, said polymer is selected from the group consisting of a precursor to an electrically conductive polymer and an electrically conductive polymer [in a solvent], said solvent comprising a fluorinated solvent, said polymer in said [solvent] solution characterized by a dependence of the electrical conductivity of said electrical conductive polymer and said precursor, when converted to said electrically conductive polymer, on the concentration of said polymer in said [solvent] solution, selecting said concentration [being selected] to substantially maximize said electrical conductivity

Claim 22. (Added) A method comprising:

providing a solvent and a polymer, mixing said polymer and said solvent to form a solution, said polymer is selected from the group consisting of a precursor to an electrically conductive polymer and an electrically conductive polymer, said solvent comprising a fluorinated solvent, said polymer in said solution characterized by a dependence of the electrical conductivity of said electrical conductive polymer and said precursor, when converted to said electrically conductive polymer, on the concentration of said polymer in said solution, selecting said concentration to provide a selected value of said electrical conductivity

Claim 23. (Proposed) A method of processing electrically conducting polymers or precursors thereof, said processing resulting in high electrical conductivity, good solubility of said polymers and said precursors in a solvent and good solution stability comprising:

blending a fluorinated solvent with a polymer to form a solution, said fluorinated solvent being suitable to solvate chains in said polymer and said polymer being selected from the group consisting of a precursor to an electrically conductive polymer, and an electrically conductive polymer, said polymer in said solution characterized by a dependence of the electrical conductivity of said electrically conductive polymer, and said precursor, when converted to said electrically conductive polymer, on the concentration of said polymer in said solution, said concentration being selected to substantially maximize said electrical conductivity.

Claim 24. (Proposed) A method of processing electrically conducting polymers or precursors thereof, said processing resulting in high electrical conductivity, good solubility of said polymers and said precursors in a solvent and good solution stability comprising:

blending a fluorinated solvent with a polymer to form a solution, said fluorinated solvent being suitable to solvate chains in said polymer and said polymer being selected from the group consisting of a precursor to an electrically conductive polymer, and an electrically conductive polymer, said polymer in said solution characterized by a dependence of the electrical conductivity of said electrically conductive polymer, and said precursor, when converted to said electrically conductive polymer, on the concentration of said polymer in said solution, said concentration being selected to substantially maximize said electrical conductivity.